ABSTRACT

A packet transfer control method and a system employing the method achieve the search of a high capacity and a plurality of parameters required for hardware routing. The method includes the

5 steps of finding, by means of hardware processing, a first route information which has been address solved by a tree search using a destination address contained in the header information of the IP packet; finding a second route information which has been solved by information, excluding the destination address, that specifies

10 a packet; and combining the first and the second route information to judge the execution of transfer to software.